ABSTRACT OF THE DISCLOSURE

The present invention relates to a dynamically controllable light modulator, which is capable of controlling light intensity by controlling electric fields applied to the light modulator, and a display using the same. It is an object of the present invention to solve the problems of the conventional light modulator by providing a dynamically controllable light modulator controlled by a uniform electric field and a display using the same. The dynamically controllable light modulator for achieving the object of the present invention comprises a phase diffraction grating member wherein a diffraction grating portion of which the thickness changes periodically is formed on one surface of the phase diffraction grating member; a phase modulation member whose one surface is attached to the diffraction grating portion of the phase diffraction grating member; and electrodes provided on the other surfaces of the phase diffraction grating member and the phase modulation member.